

State of California - Wireless E9-1-1

Typical Wireless ALI Display for Phase I using existing ALI format (previously called Option 3C)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32			
1	(	2	1	3	)			3	2	1	-	1	2	3	4			1	7	:	5	4							0	7	/	0	5
2	1	2	3															M	A	I	N			S	T	R	E	E	T						
3																																			
4	L	A	N	C	A	S	T	E	R															8	2	3		W	9	1	1				
5	A	B	C	W	I	R	E	L	E	S	S			(8	0	0)			5	5	5	-	1	2	1	2							
6																																			
7																								5	1	1	-	6	7	8	9				
8	L	A	N	C	T	B			3	9	2	5		F	2			S	S	W															
9																																			
10																																			
11	C	H	P	A	N	T	E	L	O	P	E		V	A	L	L	E	Y			A	R	E	A											
12	Q	U	E	R	Y	C	A	L	L	E	R		F	O	R	L	O	C	A	T	I	O	N												
13																																			
14																																			
15																																			

CALLBACK NUMBER

1 2 3 4 5

CELL SITE NUMBER ADDRESS

6 7 8 9 10 11 12 13 14 15 16

CELL SITE STREET NAME

17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32

MILITARY TIME

19 20 21 22

STATE

23 24 25

WIRELESS ESN

26 27 28 29 30 31 32

DATE

30 31 32

PHASE 1 MAP ID

1 2 3 4 5

COMMUNITY NAME

6 7 8 9 10 11 12 13 14 15

WSP & 24/7 TEL #

16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32

TELLTALES FIELDS

17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32

PHASE II COORDINATES
NO LONGER DISPLAYED
IN TELCO COMMENTS,
SEE PHASE II DISPLAY

19 20 21 22

CLASS OF SERVICE

26 27 28 29 30 31 32

P-ANI (ESRD or ESRK)

30 31 32

W E9-1-1 Phase I Display - Field Parameters

Row	Column Start	Field Name	Off-set	Length (in bytes)	Wire-Line Use	Proposed Wireless Use	Example of Wireless Display	Notes
01	01	Punctuation (‘(’)	0	1	Hard-Coded Left Parenthesis for NPA (Area Code) of Calling Number ¹	Same as wire-line.	(
01	02	Area Code (NPA)	0	3	Area Code (NPA) of Calling Number	Same as wire-line.	213	
01	05	Punctuation (‘)’)	0	1	Hard-Coded Right Parenthesis for NPA (Area Code) of Calling Number	Same as wire-line.)	
01	07	Office Code (NNX)	0	3	Prefix of Calling Number	Same as wire-line.	321	
01	10	Punctuation (‘-’)	0	1	Hard-Coded Hyphen for Calling Number	Same as wire-line.	-	
01	11	TN	0	4	Suffix (last 4 digits) of Calling Number	Same as wire-line.	1234	
01	18	Time	0	5	Military time, call hits (is read by) 9-1-1 controller	Same as wire-line.	17:54	
01	27	Date	0	5	Date call hits (and is read by) 9-1-1 controller.	Same as wire-line.	07/05	
01	32	Punctuation (\015) – Return Character		1	Moves display down to start of 2 nd line.	Same as wire-line.		
02	01	House Number	0	Up to 8	Number Address of House or Business	Number Address of Cell Site.	123	
02	09	House # Suffix	0	Up to 4	House Number Suffix	Not used for wireless.		
02	14	Prefix Directional	0	Up to 2	Prefix of a street name such as the “N” in N 5 th Street.	Not needed for Wireless E9-1-1. Intentionally left blank.		
02	17	Street Name	0	Up to 48, 16 on line 2 and 32 on line 3. Text should not wrap.	Name of the street where the 9-1-1 call has originated.	Street name where cell site is located.	Main Street	
04	01	Community Name	0	Up to 18	Name of Community (usually city) where 9-1-1 call was placed.		LANCASTER	MSAG-valid community name where cell site is located.

¹ Calling Number can also be thought of as the Callback Number (CBN) or Automatic Number Identification (ANI).
Wireless ALI Display for Phase I (aka Option 3C) 10_3_02

Row	Column Start	Field Name	Off-set	Length (in bytes)	Wire-Line Use	Proposed Wireless Use	Example of Wireless Display	Notes
04	19	State Abbr.	0	2	Name of State	Same as wire-line.	CW	Generally "CW" for California Wireless. <u>For HCAS only: If there is a site that has sectors routing to different jurisdictions, then each sector gets CX, CY, or CZ starting with 0 degrees north heading clockwise.</u>
04	22	ESN	3	3	ESN of Wire-line jurisdiction. The ESN defines the ESZ where a unique combination of police, fire, and medical responders are responsible.	Dedicated Wireless ESN, separate from wire-line. Initially, each agency that answers wireless 9-1-1 directly will have at least one (1) ESN.	823	The wireless ESN will also define the "English language translations" (ELTs) a. k. a. teltales that are to appear on the wireless ALI screen with each call. In a wireless environment these ELTs will be more general than wire-line due to imprecise nature of routing by cell sector. Hence, PSAPs should not rely on ELTs for selective transfer purposes.
04	26	Class of Service	0	4	Typically describes the class of service such as BUSN, RESD, PAYP, etc.	New class added for wireless E9-1-1 identified as "W9-1-1."	W911	Some other states using "MOBL."
04	30	Punctuation (\015)		1	Return data to start of next line on display.	Same as wire-line.		
05	01	Customer Name	0	Up to 32	Displays name of wire-line subscriber.	Used to display name of WSP and 24 by 7 contact phone #.	ABC Wireless (800) 555-1212	24 x 7 number would be the number call taker is to call to inquire about caller's possible whereabouts.
06	01	Punctuation (\015)		1	Hard-Coded Return data to start of next line on display.	Same as wire-line.		
07	23	Pilot NNX	0	3	Prefix of pilot number of PBX	Used to display the prefix of the P-ANI (ESRK or ESRD).	511	511 is being set aside by telcos as prefix to use for P-ANIs. P-ANIs do have NPAs (area codes), however these can be presumed to be that of the primary PSAP receiving the call. There is no room for an NPA in the Stage 1 display.
07	26	Punctuation ('-')		1	Hyphen separating pilot number NXX from last 4 digits.	Hyphen separating P-ANI NXX from last 4 digits.	-	
07	27	Pilot Number (last 4)	0	4	Last 4 digits of pilot number.	Last 4 digits of P-ANI.	6789	
07	31	Punctuation (\015)		1	Hard-Coded Return data to start of next line on display.	Same as wire-line.		

Row	Column Start	Field Name	Off-set	Length (in bytes)	Wire-Line Use	Proposed Wireless Use	Example of Wireless Display	Notes
08	01	Location Information	0	20	Typically, something unique about location besides address that is entered to help clarify location (e.g.; apartment, building, etc.)	Used to display abbreviated community name plus the reference map page, grid, & sector directional..	LANC TB 3925 F2 SSW	That shown is for the south by southwest sector of a cell site in the community of Lancaster, with a Thomas Brothers map page of 3925 on the F2 grid.
08	21	Punctuation (\015)		1	Hard-Coded Return of data to start of next line on display.	Same as wire-line.		
09	01	Company ID	0	5	ILEC or CLEC NENA ID	Not used for wireless.		
09	08	Telco Comments	0	Up to 23				Previously planned to be used to display the Lat/Log coordinates of a caller. Since confidence and uncertainty are key to be used with the coordinates, the Phase II display extends to record to include additional fields.
09	31	Punctuation (\015)		1	Hard-Coded Return of data to start next line on display.	Same as wire-line.		
10	01	Punctuation (\012)		1				
11	01	California ELT	0	Up to 71	Law enforcement, fire, and EMS providers associated with ESN. Works with selective Xfer.	To identify Wireless Emergency Service Zone (ESZ) and that this is a wireless call. Display should not wrap text.	CHP Antelope Valley Area Query caller for location	We have proposed a generalized ELT as shown. Each ELT should be customized to the primary wireless PSAP's preference but still be understandable to all PSAPs in area.
13	08	Punctuation (\003)		1	End of text character			